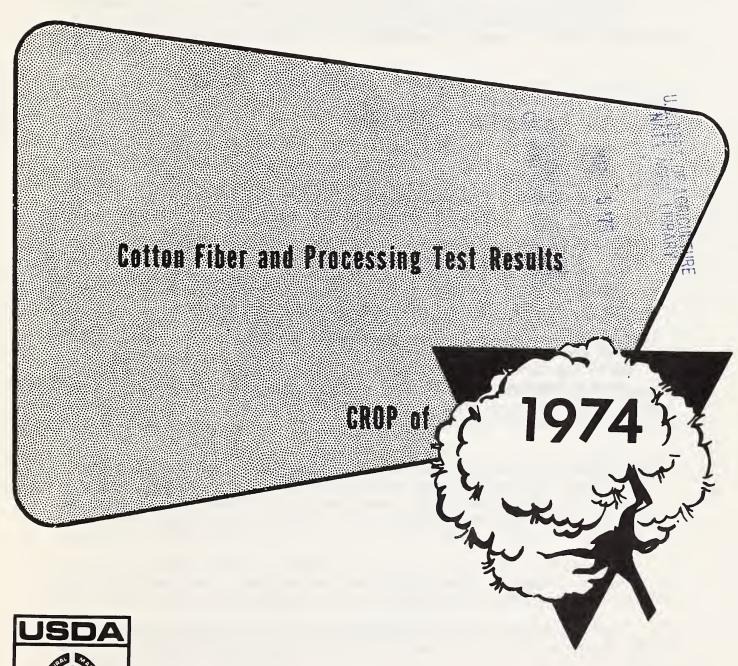
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13152

REPORT NO. 9





Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE
Memphis, Tenn. 38117 December 6, 1974

These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season. 1/ These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

^{1/} Summary of Cotton Fiber and Processing Test Results, Crop of 1973, USDA, AMS, Cotton Division, May 1974.

COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1973

Discussion of Test Results

Cotton Division laboratories of the Agricultural Marketing Service, USDA, report the U. S. average for all medium staple samples tested through November 29, have approximately the same fiber properties as last season at this time, with the exception of fiber fineness which tested finer. Yarns from these cottons showed lower appearance grades, however, imperfections were fewer.

Medium staple samples from the Southeast tested to date show finer fibers, with all other fiber properties about the same. Yarns spun from these samples show fewer imperfections than a year ago, with other processing test results testing approximately the same.

Medium staple samples from the South Central show fibers to be finer and stronger at both zero and 1/8" gage tests than a year ago. Picker and card waste is higher than last season. Yarns spun from these samples show a lower appearance index, while imperfections are fewer.

Medium staple samples from the West show shorter, finer, and weaker fibers than last season at this time. Yarns spun from these samples show lower appearance grades. Yarn imperfections are fewer.

Averages for all long staple samples tested to date are longer, finer and weaker at 1/8" gage tests. Yarns spun from these show both carded and combed yarns to be weaker than a year ago. Yarn appearance grades average lower than a year ago.

Long staple samples from the Southeast tested longer, less uniform, finer, and weaker at zero gage test than a year ago. Yarns spun from these samples had lower appearance grades for both carded and combed yarns. Imperfections were higher for carded yarns than last season.

Long staple samples from the West tested to date show about the same fiber properties as a year ago. Yarns spun from these samples show weaker yarn strength for both carded and combed yarns. Appearance grades for combed yarns were lower than a year ago. Yarn imperfections were higher than last season for carded yarns.

Extra long staple samples tested from the West show shorter, finer and stronger fiber than a year ago on the limited number of samples tested. Yarns spun from these samples show lower appearance grades than last season.

No additional samples were received during this report period for the short and medium staple groups from the Southwest and the long staple group from the South Central area.

- 4 -

States	
United	
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points	ار ا
gin	,
selected	-974
from	29, 1
tests	November 29, 1974
ages of fiber and processing tests from selected gin points in the United S	through Nov
and	
fiber	
$_{ m of}$	
Averages	

Table 1.--Cotton:

H	Lots Fibrograph	tested 2.5% 50/2.5 span unif.	No. Inches Pct.	25 0.98 46 12 0.94 44	36 1.08 46 36 1.09 45	μη 11.2 μη 15.10 μη 15.11 β	31 1.08 45 30 1.07 44	34 1.13 47 38 1.11 46	213 1.10 46 191 1.10 45	Significant dif- ference 2/ 0.02 2
Fiber test	Mike		Rdg.	†*•†	7. † † † † † † † † † † † † † † † † † † †	9.4.4	†** *** ***	4.7	4.6	0.8
results	Fiber	Zero gage	Mpsi	85 87	82 85	82 84	81 84	95	84 85	, OI
	strength	1/8" gage	G/tex	20	52 52	23 53	22 23	26 25	53 53 53	7
		S A nonlint	Pct.	3.5	w w 17 d	0.0	0, 0, 8, 0,	a a a ,	0.0 0.0	0.5
		P&C waste	Pet.	6.4 7.0	બુ. બુ.	5.7	5.6	7. V	5.9	0.5
Processing test results	Yar	Skein str.	Lbs. 22s	95	104 102	102 105	88	119	105	4 (22s)
ng test	Yarn quality	ppear- ance	Index	111	107	110	100	109	108	7.
results	Ŋ		No. Yarn	19	22 17	19	25	20	21 17	a
	Grin S	Spin. Potent.	Yarn No.	43 38	62	62 64	59	68 67	63	9

Based on a limited number of samples of modal quality Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples. ગેળ

Averages of fiber and processing tests from selected gin points in the United States through November 30, 1974 $_{\odot}$ 1/ (Continued)

Table 1. -- Cotton:

	SPY		No.	88	799	93	47 47			3
	ctns	comb	No.	- ω ω	95	9	00		a a	N
	Imprfctns	card comb	No.	17	21	17	19	Yarn		Ø
Results	Quality Appearance	carded combed	Lbs. Indx Indx Carded & Combed Yarn	127	128	114 104	123	Combed	123 110	5
		carded	Indx d & Co	118	116	104	113	50.8		5
Processing Test				121	129	153	133		62	4(22s) 2(50s)
Pro	Strength	carded combed	Lbs. 22s	105	111	137	117	පූ		4(22s)
	Comber		Pct.	16.8	17.2	14.7 14.4	16.2	American Pima	18.0	0.5
	P&C Waste		Pct.	88	8 8 8 1	7.0	88.1	Ameri	7.1	0.5
	SA Non-	lint	Pct.	3.9	4.0	2.5	3.3		2.7	0.5
200	1/8"	gage	G/tx	53 53	24 23	27	25		33	н
Results	Stre	gage	Mpsi	83	98	88	86		98	Q
Test	Mike		Rdg.	4.0	4.3	3.9	4.3	Ы	4.0	0.2
Fiber	l id		Pct. Rdg.	45 43	†† ††	45	44	Array	38	N
E	Length Span U	I_{∞}	In.	1.12	1.15	1.16	1.14		1.46	0.02
	Lots		No.	11	7.4	8	24 23		m 01	
	Staple group, Area, and	Crop year	Long Stanle:	Southeast 1973 1974	South Central 1973 1974	West 1973 1974	U.S. Average 1973 1974		Extra Long Staple: West: 1973	Significant Difference $2/$

Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples. Based on a limited number of samples of modal quality नोल

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Table 2 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974

	Spin. Poten-	tial		51	61 68	62	61	43	53	58	14	19	58
	ect'ns	50s or 12 tx No	l	16	12	14 19	13	16	11	01	σ	19	16
rns	rf	22s or 27 tx No		18	14	22 27	15	19	12	11	14	32	50
Carded Yarns	rance	50s or 12 tx No	I	80	90	90	06	0.2	06	80	70	06	70
lts - C	Appearance Index	22s or 27 tx No		06	90	06	110	06	100	120	120	100	100
est Resu	ation	50s or 12 tx Pct	1	4	4.8	4.8 5.0	4.4	3.7	4.1	4.3	0.4	5.2	4.2
Processing Test Results -		22s or 27 tx Pct		PERCENT 30 6.7	PERCENT 36 6.6 40 6.5	ENT 6.6	ENT 6.2	ENT 5.4	ENT 5.9	ENT 6.3	ENT 6.0	ENT 6.7	PERCENT 34 6.2
Proce	ngth	50s or 12 tx Lbs				PERCENT 39 6. 37 7.	PERCENT	PERCENT 24 5.	PERCENT 34 5.	PERCENT	PERCENT 30 6.	PERCENT	
	Strength	27 tx Lbs	İ	86	90 105 112	75 112 110	100	95	100	100	98	100	96
	P & C	Pct		5.7	6.0	9 9 9	6.1	7.6	7.3	6.7	6.3	8 . 6	4.0
	Color Raw Stock	Yel		m	6 2	3.2	2	9	n	6	m	m	m
		Gra	I	2	7 7	7	ю	6	m	7	7	, w	-
	S.A. Non-	Lint		2.4	2.4	8 • 4 8 • 0	3.8	3.4	4.9	4.	2.7	8	3.1
Lts	Elon- gat'n	1/8" Pct		1.E 213	INE 16 6.4 6.7	11LE 603 6.1 6.6	KING 111 5.8	201	KING 11	201	INE 16	201	201
Fiber Test Results	ber ngth	Gage G/tex		STONEVILLE 22 7.3	DELTAPINE 16 23 6.4 23 6.7	STONEVILLE 22 6.	DIXIE 1 23	COKER 2	DIXIE 1	COKER 2	DEL TAP INE	COKER 23	COKER 21
iber Te	Fiber Strength	Gage Mpsi		78	83	80	82	11	82	11	80	& 4	78
ഥ	, in	Mike Rdg	}	0	4 9 • 4	4. W W R	4.3	4.5	4.6	4.1	4•3	3.9	4.7
	al graph	Unif. Pct		25	. R4 . R4	45	47	43	94	45	43	94	4
	, ,	span In	I	1.04	1.13	1.10	1.08	1.09	1.05	1.09	1.07	1.12	11.11
		Stple 32s	AREA	33	35	35	35	34	34	35	34	36	35
Area,	ber	ge	₹	51	e 41 51	51	51	45	45	4.1	41	1A 52	4 1 4 1
Production Area,	Sample Number	No Grade Name & Code	SOUTHEAST	ALABAMA GREENBRIER 3 LM	HARPERSVILLE 2 SLM 3 LM	SECTION 1 LM 2 LM	SYLACAUGA 3 LM	GEORGIA ALLENTOWN 3 SLM LT SP	BOSTWICK 2 SLM LT SP	COMER 2 SLM	OGLETHORPE 2 SLM	NORTH CAROLINA SHELBY 2 LM LT SP	SOUTH CAROLINA ST MATTHEWS 3 SLM

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Table 2 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974--(Continued)

			•					- 7	-						
	Spin. Poten-	tial	읽		51	59	51	58	99	62	09	69	57	62	55
	Imprfectins	12 tx	일		10	12	80	11	14	10	16	14	19	18	15
arns	Imprf	27 tx	일		12	15	13	22	19	12	23	11	24	50	11
- Carded Yarns	3	J ×	임		06	02	80	02	06	80	06	80	70	20	96
ults - Ca	Appearance Index		왕		110	100	100	06	110	110	100	110	06	06	100
est Res	Elongation	12 tx	Fet		4.2	4.5	4.1	4.	5.0	4.6	4.5	5.1	4.0	4 • 4	3.8
Processing Test Results			Fet		PERCENT 33 5.8	PERCENT 35 6.0	PERCENT 29 6.3	PERCENT 36 6.8	PERCENT	PERCENT 36 6.2	PERCENT 37 6.4	PERCENT	PERCENT 31 6.4	PERCENT 37 6.5	PERCENT 34 5.4
Proce	gth	2 tx	SqT		PER 33		PER 29	PER 36	PER 41	PER 36	PER 37	PER 40	PER 31	PER 37	PER 34
	Strength	27 tx	SQT		100	100	100	100	116	100	100	100	100	1001	100
	P&C Waste	d	Pet		4.9	5.2	6.9	5.6	6.7	4 8	7.5	5.5	6.7	1.9	8 .0
	Color Raw Stock	Yel	외		m	М	8	6	6	m	ю	7	ю	7	6
	Co] Raw	Gra	일		~	7	8	7	-	ю	2	-	, ~	7	4
	S.A. Non-	Lint	Fct		3.1	2.€	2.8	3.2	3.5	2.4	4.1	1.8	2.7	3.9	5.2
	Elon- gat'n	1/8"	Fet		213	213	213	213			213		213	213	
Results	1 00	\dashv			VILL	VILL	V I L L	VILL 6	TAPINE 16	APINE 16	VILL	TAPINE 16 7.5	VILL 5	V 1 L L	X
	Fiber rength	Gage	G/tex		STONEVILLE 22 5.	STONEVILLE 23 6.3	STONEVILLE 23 6.	STONEVILLE 23 6.5	DELTA 25	DELTA 23	STONEVILLE 23 6.	DELTA 23	STONEVILLE 22 5.9	STONEVILLE 22 5.7	DIXIE 23
Fiber Test	Fiber Strength	Gage	Mpsi		98	8	84	80	85	81	8	82	83	87	87
	Μ. Υ. Θ	Mark.	Rdg		4.1	4.4	3.9	3.3	4.2	4.5	4.7	3.9	4.2	3.5	4.6
	al rraph	Unif.	Pct		43	4	44	41	4	45	47	4	4	43	\$
	Digital Fibrograph	span	티		1.10	1.11	1.07	1.08	1.14	11.11	1.09	1.11	1.08	1.10	1.04
		Stple	32s	EA	35	35	35	35	35	35	35	36	35	35	35
rea,	-	П		AREA	41	41	41	41	41	41	51	41	45	51	52
Production Area,	Sample Number	Name & Code		SOUTH CENTRAL	ARKANSAS DUMAS 2 SLM	HUGHES 3 SLM	MARIANNA 3 SLM	TYRONZA 2 SLM	WYNNE 2 SLM	LOUISIANA MONROE 2 SLM	WINNSBORD 2 LM	MISSISSIPPI ARCOLA 2 SLM	CLARKSDALE 2 SLM LT SP	GLENDORA 2 LM	INDIANDLA 2 LM LT SP
		S		SOL	ARK 2	_ w	<u>_</u> m	2	4 4	LOU 2	4 0	MIS A	2	2	2

Table 2 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974--(Continued)

The control of the		1		1					-	0 -								
The control of the		Spin.	Poten- tial	S S		61	11	58	55	54	65	19	99	58	89	99	62	
The control of the		ect'ns	50s or	12 tx No		6	13	18	11	14	6	11	12	01	01	12	19	
The control of the	arns	Imprf	22s or	27 tx No		13	15	23	14	21	16	18	15	13	15	12	27	
The control of the	rded Y	ance	50s or			06	80	10	80	80	90	02	06	80	70	80	80	
Piber Test Beaults		Appear		No No		160	06	100	110	06	100	06	100	130	100	100	130	
Process Proc	st Resu	tion	or	ž		4.6	5.3	8 • 4	4.4	3.8	6.4	5.1	4.8	4.6	4.8	6.4	4•4	
Strength Strength Elon S.A. Raw Schook P. & C. Strength Elon		Elonga	22s or	27 tx Pct		ENT 6.3	ENT 6.8	ENT 6.5	ENT 6.6	ENT 6.0	ENT 6.7	ENT 6.8	7.0	ENT 6.8	ENT 6.9	T.2	NT 6.8	
Piber Test Results Piber	Proces	ngth	50s or	Lbs				PERC 38	PERCI 35	PERCI 32	PERCI 37			PERCI 35			PERCENT 37 6.8	
Fiber Test Results Fiber T		Strer	22s or 27 tx	Z7 tx Lbs		100	110	100	100	100	93	100	95 110	100	109	95	75	
Piber Test Results Piber Fiber Piber Fiber Fiber Piber Fiber Fiber Piber Fiber Fiber Piber Fiber Fiber Fiber Fiber Piber Fiber Fib		P & C	Waste	Pct		6.9	5.6	10.4	4.9	8.0	5.9	5.8	6.1	6 • 5	5.6	5 .8	5.6	
Picital Fiber Test Results Elon- S.A.		blor Stock	Yel	_		m	2		m	m	8	7	2	m	m	7	6	
Digital Strength Elon- Elo		Raw		7		8	2	т	2	ю	-	2	2	₽,	. 7	-	2	
Digital Fiber Test Results Elbograph Strength Elbograph Mike Zero 148" 1/6 1/6" 1/6 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1/6" 1		S.A.	Non- Lint	Pet		•	2.7	3	3.2	m	3 2.4	2.8	3.1	3°°	2.6	2.4	3 2.4	
Digital Fiber Te Fiber Te Fiber Te Fibrograph Mike Street	t s	Elon-	gat'n 1/8"	Pct		LLE 21 6.4	NE 16 7.6			LLE 21 5.9		NE 16	NE 16 7.6		NE 16 7.6	NE 16 6.9		
Digital Fiber Te Fiber Te Fiber Te Fibrograph Mike Street	1 1	er gth	1/8" Gage	G/tex		TONE VI	ELTAPI 23	TONEVI 23	TONEVI 23	TONEVI 22	TONE VI	ELTAPI 23	ELTAPI 22	STONEVI 23	EL TAPI 23	ELTAPI 22	STONEVILLE 23 6.	
Digital Fibrograph Mike 2.5% Unif. Rdg	iber Tes	Fibe		Mpsi													80	
Digita 10.07 1.07 1.07 1.07 1.12 1.12 1.12 1.13 1.13	É		Mike	Rdg		4.3	3.9	4.1	4.1	4.6	4.1	3.7	3.8	4.1	3.7	4.0	3.8	
		al raph	Unif.	Pet		94	. 64	94	77	94	44	41	43	4	43	43	43	
		Digit Fibrog		ul (nued)	1.07	1,16	1.11	1.09	1.10	1.07	1.12	1.12	11.11	1.13	1.07	1.11	
			Stple	32s	(Conti				35	35	35	35	35	35	35	35	35	
Area Area Area Area Area Area Area Area	Area,	ber			REA	51	ANT 41	52 ¹ /	41	51	H 41	14	41	41	41	41	41	
Production Area, Classification & Sample Number Grade Name & Code Sample Number Continume & Code Sample Number Continume & Con	action	& ole Num	Grade e & Coc		VIRAL A	10LA	ORMOR			7:	BRANC		4	CITY	I	ш ш г	۲	
Production Area, Classification Sample Number Orade South Center Stp INDIANOLA 2 LM INDIANOLA 3 SLM INDIANOLA 41 35 CLIVE BRANCH 2 SLM INDIAN 2 SLM INSCOURT 41 35 CLIVE BRANCH 2 SLM INSCOURT 41 35 CLIVE BRADEN 41 35 CLIVE SEE BRADEN 41 35 CENNESSEE BRADEN 2 SLM 41 35 CENNESSEE BRADEN 41 35 CENNESSEE BRADEN 41 35 CENNESSEE BRADEN 41 35	Produ Clas	Samī	Ш	The state of the s	SOUTH CEN	INDIAN 2 LM	LAKE C 2 SLM	LELAND 2 LM LT	LYON 2 SLM	NATCHE 3 LM		SCOTT 2 SLM	WINON!	MISSOUR BELL 2 SLM	SENAT 2 SLM	TENNESSI BRADEI 2 SLM	RIDGELY 3 SLM	, -

1/ Reduced from 42 because of grass

	1	1					- 9 -	•						
	Spin. Poten- tial	외		8	53	59	61	20	63	59	14	58	69	
	Imprfect'ns 22s or 50s or 27 tx 12 tx	읽		15	11	10	15	17	12	11	7	11	12	
rns	Imprf 22s or 27 tx	임		20	23	13	22	20	19	19	12	15	15	
Carded Yarns	1 1	1		06	90	90	7.0	80	80	70	80	80	80	
r	Appearance Index 22s or 50s or 27 tx 12 tx	SI SI		110	100	120	100	100	110	100	100	100	100	
st Results	14 ~			4 8	4•1	4.5	4.4	0.4	4.3	4.2	4.	4.1	4.0	
sing Test	Elonge 22s or 27 tx	i		PERCENT 32 6.5	PERCENT 34 5.9	PERCENT 36 6.4	PERCENT 37 6.2	PERCENT 30 5.4	PERCENT 39 6.4	PERCENT 39 6.1	PERCENT 49 6.1	PERCENT 42 5.5	5.8	
Processing	gth 50s or 2 tx	Lbs				PER(PER(PER(PER(PER(PER 42	PER(
	Strength 22s or 50s or 27 tx 12 tx	1		94	95	106	100 6	83	88	92	100 F	119	120 PERCENT	
	P & C Waste	Pct		9.9	7.2	6.1	5.8	6.1	4.9	0.9	5.9	5.8	6.4 1	
	Color Raw Stock Gra Yel	S.		7	7	m	m	7	7	m	m	6	6	
		욄		2	7	7	7	2	4	-	2	-	1	
	S.A. Non- Lint	Pet		3.1	3.6	2.6	3.0	2.2	3.7	3.2	2.1	1.8	2.5	
lts	Elon- gat'n 1/8"	Pet		/ILLE 213	DELTAPINE 61 25 6.4	DELTAPINE 61 24 6.5	DELTAPINE 16 23 6.7	DELTAPINE 16 22 5.6	DELTAPINE 66 23 6.0	DELTAPINE 61 24 5.4	5.1	SJ-2 5.5	SJ-2 5.1	
st Results	er gth 1/8" Gage	G/tex		STONEVILLE 22 7.3	DEL TAF 25	DELTAF 24	DELTAR 23	DELTAR 22	DEL TAF 23	DEL TAF 24	ACALA 27	ACALA 27	ACALA 27	
Fiber Test	Fiber Strength Zero 1/ Gage Ga	Mpsi		44	86	84	81	85	86	89	96	16	94	
I	Mike	Rdg		4.6	5.3	4.7	4.7	4.9	3.9	3.9	**************************************	4.7	4.4	
	al raph Unif.	Pet		4	46	7 7	4	7,	43	43	48	4.7	94	
	Digital Fibrograph 2.5% Unit	티		1.07	1.12	1.14	1.15	1.07	1.09	1.09	1.13	1.08	1.09	
	Stple	328	AREA	35	35	36	36	35	35	35	35	35	35	
Area,	ber le		⋖	41	41	41	41	41	51	41	41	31	JW 41	
Production Area, Classification	Sample Number Grade Name & Code		WEST	ARIZONA BOWIE 2 SLM	BUCKEYE 2 SLM	CASA GRANDE 2 SLM	MARICOPA 2 SLM	PALO VERDE 1 SLM	PICACHO 2 LM	SOMERTON 2 SLM	CALIFORNIA BAKERSFIELD 2 SLM	BAKERSFIELD 2 MID	BUTTONWILLOW 3 SLM	
	2	ı	3	⋖							S			

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Table 2 -- Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974-- (Continued)

	Spin.	tial	왕			73	82	52
	Imprfect'ns	or 50s	위			10	6	10
Yarns	Imp	22s (위			12	15	15
arded	rance	50s or 12 tx	일			70	10	80
lts - C	Appearance Index	22s or 27 tx	위			100	100	96
Processing Test Results - Carded Yarns	tion	50s or 12 tx	Pet			4.7	6.5	4.2
ing Te	Elongation	22s or 27 tx	Pet			NT 9.9	5.3	NT 1/ 6.5
rocess	th	Os or	Squ			PERCENT 50 6.0	100 PERCENT	PERCE 31
Н	Strength	22s or 50s or 22s or 50s or 22s or 50s or 22s or 50s or 27 tx 12 tx 27 tx 12 tx	Lbs Lbs Pct			100 PERCENT 130 50 6.0	100	100 PERCENT 1/ 97 31 6.5
	S.A. Raw Stock P & C		Pct			4.9	4.6	6.3
	Color W Stock	Yel	읽			m	m	m
	Co	Non- Lint Gra Yel	외			-	7	2
	S.A.	Non- Lint	Pet			3.3	1.1	2.5
ts	Elon-	gat'n 1/8"	Pet			5.9	5.4	1LLE 213 6.6 2.5
Fiber Test Results	re t	1/8" Gage	g/tex			CALA 53-3	ACALA SJ-2 27 5.	STONEVILLE 213 21 6.6
iber Te	Fiber	Zero	Mpsi			96	96	11
H		Mike	Rdg			4.3	4.4	4.
	tal	2.5% Unif.	Pet			L4 .	45	43
	Digital	Stple 2.5%	티			41 35 1-12 47	41 35 1.14	41 34 1.06
		Stple	32s	(q)	(pai	35	35	34
Area,	ber			ntime	ontino	41	14	41
Production Area,	Classilcacion & Sample Number	No Grade	DO BO DIRECT	WEST AREA (Continued)	CALIFORNIA (Continued)	LOST HILLS 2 SLM	STRATFORD 2 SLM	WEST TEXAS PECOS 2 SLM

1/ 100 percent selected for tests, less than 100 percent in the area

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	Spin.	Poten- tial	No	l	75	82	62	62	20	61		101	96	4	8	
	t'ns	or 50s or tx 12 tx	N N	l	15	262	24 12	12 5	18	16	0	21 9	21	14	4 0	
rns	Imprfect'ns	22s or 27	No		18	10 24 11	30	13	23	20	0	23 14	26 13	21 13	22 8	
Carded Yarns		Os or			70	929	70 80	90	100	06	001	70 80	02	70	90	
1	Appearance	22s or 5 27 tx 1	No		100	0001	100	120	110	0110	011	90	90	90	100	
Test Results	tion	50s or 12 tx 2	Pct		5.2	ທູບ ທູດ ທູດ 4	5.2	4 4	4.6 5.2	0.4	•	5.2	4.8 5.1	4.7	5.0	
	Elongation	22s or 27 tx	Pct		PERCENT 39 6.8	7.3	PERCENT 33 5.6 41 6.6	PERCENT 30 5.5 39 6.3	PERCENT 36 6.1 43 6.8	5.6	0.0	PERCENT 50 6.8 56 7.4	PERCENT 49 6.1 55 6.7	PERCENT 44 6.0 52 6.4	PERCENT 43 6.3 51 6.4	
Processing	Ę.h	50s or 12 tx	Lbs			4 4 4 6 6 4				PERCENT	Ď					
	Strength	22s or 5 27 tx	Lbs		100	132 115 131	100 100 119	100 96 115	95 104 122	100	=	75 138 154	70 132 150	95 123 145	100 120 138	
	P&C	ы 0 0	Pet		0.6	19.2 8.9 15.2	7.6	10.0	8.5	9.6	2	7.9	6.7	7.2 15.3	6.6 10.8	
-	Color Raw Stock		81		m	* ~ *	m *	m *	۸ *	m 1	+	~ *	۸ *	~ *	~ *	
	Color Raw Sto	Gra	읽		8	~	8	7	7	6		~ ,	~	~	m	
	S.A.	Lint	Pet			6.4	3.1	4. 00	3.9	3.9		2.9	2.1	2.3	2.2	
t s	Elon-	1/8"	Pet		310 7.1	6.7	310 6.5	310	310 6.4	310		1517-v 5.9	1517 70 5.7	1517 70 5.8	1517 C 5.6	
st Results	er gth	1/8" Gage	G/tex		COKER 23	56	COKER 25	COKER 23	COKER 23	COKER 23		ACALA 28	ACALA 26	ACALA 29	ACALA 28	
Fiber Test Re	Fiber Strength	Zero	Mpsi		83	82	80	82	82	19		86	16	06	92	
H		Mike	Rdg		3.4	3.3	4.1	4.2	3.9	4.2		9	3.6	3 • 8	4.1	
	1, ph	Unif.	Pct		42	\$.	4	42	£	4		75	4	94	24)ata
	Digital Fibrograph	2.5% span	티		1.15	1.15	1.12	1.14	1.16	1.12		1.18	1.18	1.19	1.18	Yarn
		Stple	32s	AREA	35	35	35	34	36	35	AREA	37	37	36	37	omped
ea,	Į,		ကျ	Ā	51	51	14	45	4 1	51	₹	41	1,	41	41	and (
Production Area, Classification	& Sample Number	No Grade Name & Code		SOUTHEAST	ALABAMA Geraldine 2 Lm	3 LM	GEORGIA COMER 2 SLM	MADISON 2 SLM LT SP	NORTH CAROLINA DUNN 2 SLM	SOUTH CAROLINA HARTSVILLE 3 LM	WEST	NEW MEXICO ANIMAS 2 SLM	ARTESIA 2 SLM	BERING 2 SLM	iii	* Comber Waste and Combed Yarn Data

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	t ns	los or 7 tx	일		-	2
	Imprfect'ns	Os or 8	읽		-	2
ns		Waste Waste 50s or 80s or 50s or 80s or 50s or 80s or 50s or 80s or 12 tx 7 tx 12 tx 7 tx 12 tx 7 tx 12 tx 7 tx	읽		120	110
bed Yar	Appearance Index	0s or 8	읽		5.2 4.5 110	110
s - Com		0s or 5	Ret		4.5	5.3 4.8 110
Processing Test Results - Combed Yarns	Elongation	0s or 8 2 tx	Ret		5.2	5.3
ng Test	-	0s or 5	SqI		17 34	1T <u>1</u> √ 34
rocessi	Strength	Os or 8 2 tx	Ibs		PERCEI 62	100 PERCENT <u>1</u> / 1.9 62 34
Ai I	r of m	aste D	lst		105 PERCENT 16.8 62 34	100 PERC 18.9 62
	Color Raw Stock P & C Comber	laste W				6 • 9
	r	re]	No No Pct		5 7.4	2
	Color Saw Stoo	Gra Yel	읽			
	l .		Pet		7.6 2.6 5	7.0 2.3 5
10	Elon- S.A.	gat'n Non- 1/8" Lint	Pct		7.6	7.0
Fiber Test Results		1/8" Gage	G/tex		A S-	A S-
Test F	Fiber Strength				PI M	PIN 33
Fiber	Str	Zero Gage	Mpsi		66	100
		Mike	Rdg		3.5	3.6
	৯년	αV	Pct		31	34
	Array	UQL	티		1.46	1.42
		Stple	32s	AREA	44	44
Area	mber	ode			5	4
Production Area, Classification	& Sample Number	No Grade Name & Code		WEST	WEST TEXAS FABENS	PECOS 1

1/ 100 percent selected for tests, less than 100 percent in the area